

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 14 (canceled)

Claim 15 (currently amended): A durable hydrophilic biocompatible coating formulation for a medical device having abstractable hydrogen radicals, the formulation including a hydrophilic polymeric component comprising at least two polymeric species of differing molecular weights, an unsaturated hydrophilic monomer capable of free-radical polymerisation in the presence of a radical and a UV activatable compound capable of abstracting hydrogen radicals from the surface to be coated and from a polymeric species of the hydrophilic polymeric component so as to initiate and promote the cross-linkage of the monomer to the surface and of the monomer or a propagating monomer chain to a polymeric species of the polymeric component, and a suitable solvent, wherein said formulation is suitable for coating on an implantable biomedical device with only one curing step, wherein at least one polymeric species comprises a relatively lower molecular weight polymer and at least one polymeric species comprises a relatively higher molecular weight polymer, and wherein the ratio of lower molecular weight polymer to higher molecular weight polymer is between about 1:3 and 1:2, and wherein the relatively lower molecular weight polymer has molecular weight in the range of 40kDa to 100kDa and the relatively higher molecular weight polymer has a molecular weight in the range of 100kDa to 1500kDa, wherein the coating comprises a first layer comprising the monomer capable of covalently attaching to the surface of the biomedical device and a second layer comprising a polymer that is covalently linked to the monomer layer.

Claim 16 (previously presented): A biocompatible coating formulation as in claim 15, wherein the unsaturated hydrophilic monomer has at least two acrylate functional groups.

Claim 17 (previously presented): A biocompatible coating formulation as in claim 15, wherein the at least two polymeric species include different functional groups.

Claim 18 (previously presented): A biocompatible coating formulation as in claim 15, wherein the at least two polymeric species comprise chemically different polymers.

Claim 19 (previously presented): A biocompatible coating formulation as in claim 15, wherein the at least two polymeric species comprise straight chain or branched chain polymers.

Claims 20-22 (canceled)

Claim 23 (previously presented): A biocompatible coating formulation as in claim 15, wherein the UV activatable compound is selected from any of a group that use a hydrogen abstraction mechanism to initiate polymerisation, including aryl ketones such as benzophenone, xanthone and dichlorobenzophenone.

Claim 24 (previously presented): A biocompatible coating formulation as in claim 23, wherein the UV activatable compound is benzophenone.

Claim 25 (previously presented): A biocompatible coating formulation as in any one of claims 15, 19, 21 and 23-24, wherein the monomer for the coating formulation is acrylic acid, which has the functionality to react both with the substrate and with the polymeric specie on initiation of the hydrogen abstraction mechanism by the UV activatable compound.

Claims 26-28 (canceled)